

WEST Search History

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DATE: Wednesday, August 16, 2006

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=NO; OP=OR</i>			
<input type="checkbox"/>	L8	l1 and (antifungal adj compound)	2
<input type="checkbox"/>	L7	("20050136394")!.ABPN1,NRPN,PN,WKU.	2
<input type="checkbox"/>	L6	l1 same (anti adj fungal adj compound or anti adj fungal adj drug or fungal adj inhibitor)	0
<input type="checkbox"/>	L5	l! near (anti adj fungal adj compound or anti adj fungal adj drug)	0
<input type="checkbox"/>	L4	l2 and (candida or aspergillus)	54
<input type="checkbox"/>	L3	L2 and candida or aspergillus	33940
<input type="checkbox"/>	L2	L1 and (fungi or fungus)	100
<input type="checkbox"/>	L1	atp adj ctp adj2 trna adj nucleotidyltransferase or nucleotidyltransferase or cca1	344

END OF SEARCH HISTORY

? d s

Set	Items	Description
S1	464881	S CANDIDA OR ASPERGILLUS
S2	578	S TRNA (W) ADENYLYLTRANSFERASE OR TRNA (W) ADENYLTRANSFERASE OR TRNA (W) NUCLEOTIDDYLTRANSFERASE OR CCA1 OR CCA1P OR EC (W) 2.7.7.25
S3	9	S S1 AND S2
S4	2	RD (unique items)
S5	795203	S YEAST
S6	1952697	S FUNGI OR FUNGUS OR FUNGAL
S7	64	S S2 AND S5
S8	29	RD (unique items)
S9	55	S S2 AND S6
S10	25	RD (unique items)

? s au=vousden, katherine or vousden katherine or vousden, ka or vousden ka

1	AU=VOUSDEN, KATHERINE	
0	VOUSDEN KATHERINE	
0	VOUSDEN, KA	
0	VOUSDEN KA	
S11	1	S AU=VOUSDEN, KATHERINE OR VOUSDEN KATHERINE OR VOUSDEN, KA OR VOUSDEN KA

? t s11/medium/all

11/3/1 (Item 1 from file: 399) Links

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CA SEARCH(R)

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141133561 CA: 141(9)133561k JOURNAL

Rhodanine-3-acetic acid derivatives as inhibitors of fungal protein mannosyl transferase 1
(PMT1)

Author: Orchard, Michael G.; Neuss, Judi C.; Galley, Carl M. S.; Carr, Andrew; Porter, David W.; Smith, Phillip; Scopes, David I. C.; Haydon, David; Vousden, Katherine; Stubberfield, Colin R.; Young, Kate; Page, Martin

Location: Department of Medicinal Chemistry, Abingdon Science Park, Abingdon, UK, OX14 4YS

Journal: Bioorg. Med. Chem. Lett.

Date: 2004

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Untitled

? s cca1 or trna(1w)nucleotidyltransferase or atp (1w)ctp (1w) trna (1w)
nuleotidyltransferase

110 CCA1
34378 TRNA
1917 NUCLEOTIDYLTRANSFERASE
252 TRNA(1W)NUCLEOTIDYLTRANSFERASE
188950 ATP
5912 CTP
34378 TRNA
0 NULEOTIDYLTRANSFERASE
0 ATP(1W)CTP(1W)TRNA(1W)NUCLEOTIDYLTRANSFERASE
S1 349 CCA1 OR TRNA(1W)NUCLEOTIDYLTRANSFERASE OR ATP (1W)CTP
(1W) TRNA (1W) NULEOTIDYLTRANSFERASE

? s fungus or fungi or fungal

103429 FUNGUS
62005 FUNGI
136380 FUNGAL
S2 247347 FUNGUS OR FUNGI OR FUNGAL

? s s1 and s2

349 S1
247347 S2

S3 29 S1 AND S2

? s anti(1w)fungal or fungal(1w)inhibitor

957610 ANTI
136380 FUNGAL
1106 ANTI(1W) FUNGAL
136380 FUNGAL
700769 INHIBITOR
52 FUNGAL(1W)INHIBITOR
S4 1158 ANTI(1W) FUNGAL OR FUNGAL(1W)INHIBITOR

? s1 and s4

6661969 1
1158 S4

S5 435 1 AND S4

? s s1 and s4

349 S1
1158 S4
S6 0 S1 AND S4

? ? s yeast or saccharomyces (w) cerevisiae or s(w) cerevisiae or s(w)pombe or schizosaccharomyces (w) pombe

Processing

172971 YEAST
123358 SACCHAROMYCES
116890 CEREVISIAE
115710 SACCHAROMYCES(W)CEREVISIAE
6598619 S
116890 CEREVISIAE
34017 S(W)CEREVISIAE
6598619 S
11202 POMBE
5097 S(W)POMBE
12158 SCHIZOSACCHAROMYCES
11202 POMBE
10780 SCHIZOSACCHAROMYCES(W)POMBE
S7 220606 YEAST OR SACCHAROMYCES (W) CEREVISIAE OR S(W) CEREVISIAE
OR S(W)POMBE OR SCHIZOSACCHAROMYCES (W) POMBE

? s s1 and s7

349 S1

Untitled

220606 S7
? s rd s8 71 S1 AND S7
? rd s8 S9 0 RD S8
? rd s8 S10 47 RD S8 (unique items)
? t/medium,k/all

Untitled

09065202 PMID: 1774153

Characteristics of the inhibition and metabolic inactivation of the yeast tRNA nucleotidyl transferase.

Navarro M A; Heredia C F

Instituto de Investigaciones Biomedicas del C.S.I.C. Facultad de Medicina, U.A.M., Madrid.

Italian journal of biochemistry (ITALY) Sep-Oct 1991, 40 (5)
p295-303, ISSN 0021-2938--Print Journal Code: 0376564

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1. Yeast tRNA nucleotidyl transferase is inhibited by low molecular weight compounds present in cell-free extracts. The inhibition produced by the main component(s) is competitive with respect to ATP and is not prevented by metal chelating agents. The major component(s) has been partially purified. It is resistant to heat (90 degrees C, 5 min) and insensitive to digestion by alkaline phosphatase, snake venom phosphodiesterase and inorganic pyrophosphatase, indicating that it is not a nucleotide. 2. Besides the masking of the transferase activity in the crude extracts by the inhibitors, the enzyme is inactivated in nitrogen starved cells. The inactivation also occurs in yeast mutants lacking several proteases and is not prevented by inhibitors of yeast proteases. These results rule out extracellular proteolysis as the cause of inactivation and strength our previous observations on the metabolic inactivation of the transferase in response to nitrogen starvation.

Descriptors: *Fungal Proteins--antagonists and inhibitors--AI; *RNA Nucleotidyltransferases--antagonists and inhibitors--AI; * Saccharomyces cerevisiae --enzymology--EN; Adenosine Triphosphate--metabolism--ME; Cell-Free System; Nitrogen--metabolism--ME; Research Support, Non-U.S. Gov't

CAS Registry No.: 0 (Fungal Proteins); 56-65-5 (Adenosine Triphosphate); 7727-37-9 (Nitrogen)

Enzyme No.: EC 2.7.7. (RNA Nucleotidyltransferases); EC 2.7.7.- (tRNA nucleotidyltransferase)

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